



WATER INFRASTRUCTURE
FINANCE AUTHORITY OF ARIZONA

WIFA Water Conservation Grant Committee Meeting

July 19, 2023



Agenda Item 1

Kim Schonek, WCGF Chair, will call the Water Conservation Grant Fund Committee Meeting to order with a call for quorum

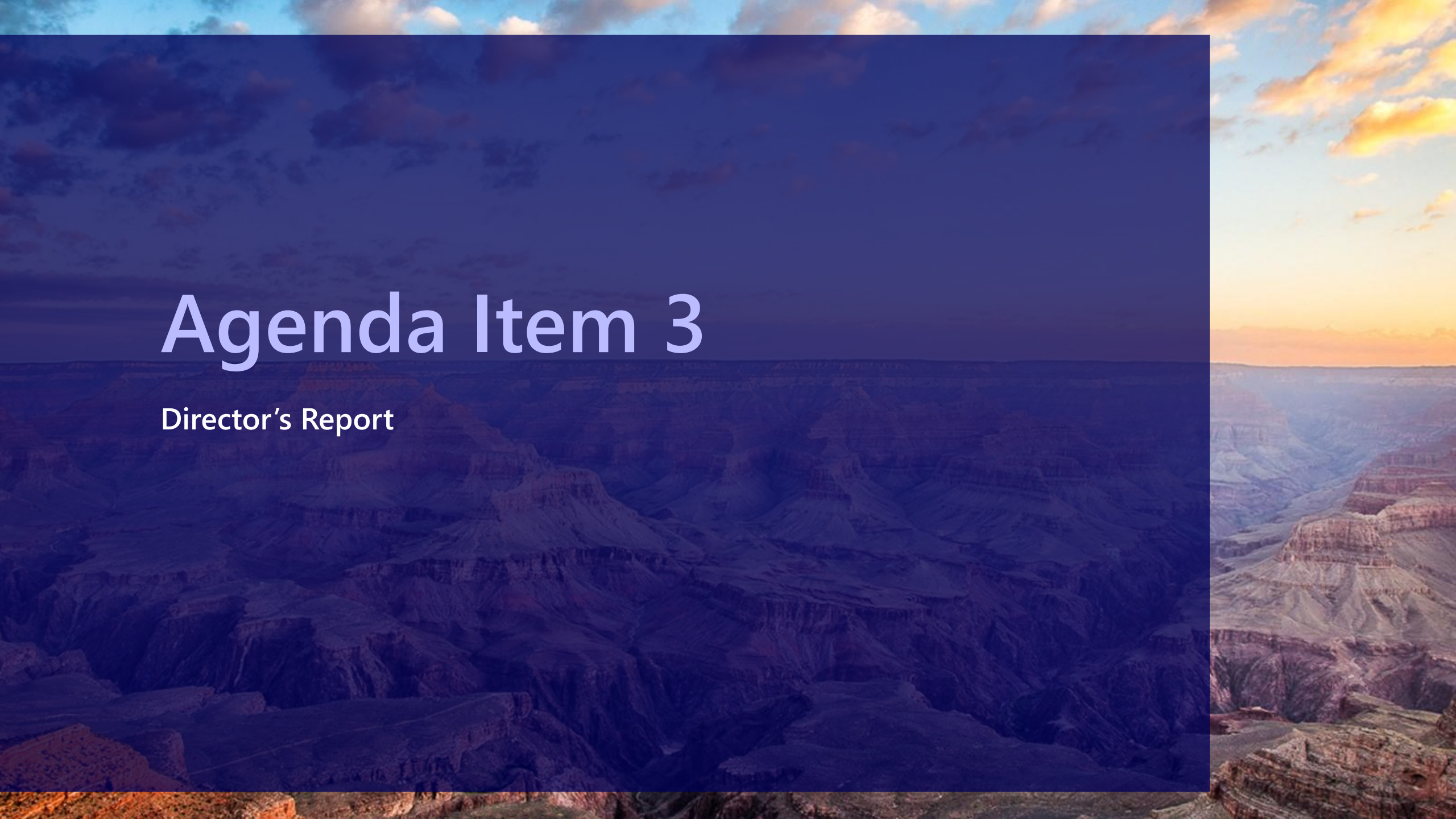
Agenda Item 2

*Recordings of the WIFA Water Conservation Grant Fund Committee public meeting held on June 29, 2023, are available here:
<https://www.azwifa.gov/news/public-meetings>*

As such, written meeting minutes will not be provided, and Committee approval is not necessary for the public portion of the past Committee meeting

Agenda Item 3

Director's Report



The background of the slide is a wide-angle photograph of the Grand Canyon. The canyon's layered rock formations and deep valleys are visible. A semi-transparent dark blue rectangular overlay covers the left and central portions of the image, providing a background for the title text. The right edge of the image shows the canyon under a bright, hazy sky, likely at sunrise or sunset.

Director's Report

**TBD* acre-
feet per year**

New supplies secured

**to be identified in summer 2023 by
potential customers*

**At least \$1
billion**

Invested or loaned

**1. Secure *(TBD)* acre-feet per year of
augmented water supplies by investing
or loaning at least \$1 billion**

- *Summer 2023: Develop an augmentation request for proposals process*
- *October 2023: Publish augmentation targets developed through engagement with potential customers and other assessments*
- *November 2023: Publish a detailed augmentation project solicitation for in-state and imported water projects*
- *February 2024: Receive and begin due diligence process for at least three qualified augmentation proposals*
- *July 2024: Select at least one augmentation proposal*
- *Spring 2024: Acquire the balance of the planned \$1 billion appropriation*

2. Conserve at least five million acre-feet of water by awarding \$400 million in grants

- *July 2024: Award \$200m of ARPA funds*
- *2024-2027: Acquire additional conservation funds*
- *Ongoing:*
 - o *Assist communities adapting to reduced Colorado River supplies by awarding at least 1/3 of the funds to Colorado River related conservation*
 - o *Assist efforts to reduce reliance on unreplenished groundwater pumping by awarding at least 1/3 of funds to unreplenished groundwater conservation*

**At least 5,000,000
acre-feet**

**Of long-term ongoing water
conservation**

\$400,000,000

**Awarded in Grants for
conservation**

75 additional priority communities

With cleaner, more reliable water

\$TBD*

New loans and grants to AZ
communities

*size of additional loan and grant
portfolio to be refined during summer
2023 through financial analysis

3. Solve water reliability and quality issues for 75 additional Arizona communities in need by issuing \$(TBD) in new subsidized loans and grants

- *August 2023: Identify maximum SRF and WSDRF loan portfolios*
- *September 2023: Make WSDRF loans and grants available*
- *FY 2024 - 2028: Award 75 new loans to priority communities**
- *Ongoing:*
 - o Award all available EPA capitalization grants within one year
 - o Achieve and maintain a 100% on-time payment within 30 days for all WIFA-issued loans
 - o Maintain AAA credit rating

**a subsidy equal to or more generous than 80% for CWSRF or 75% for DWSRF*

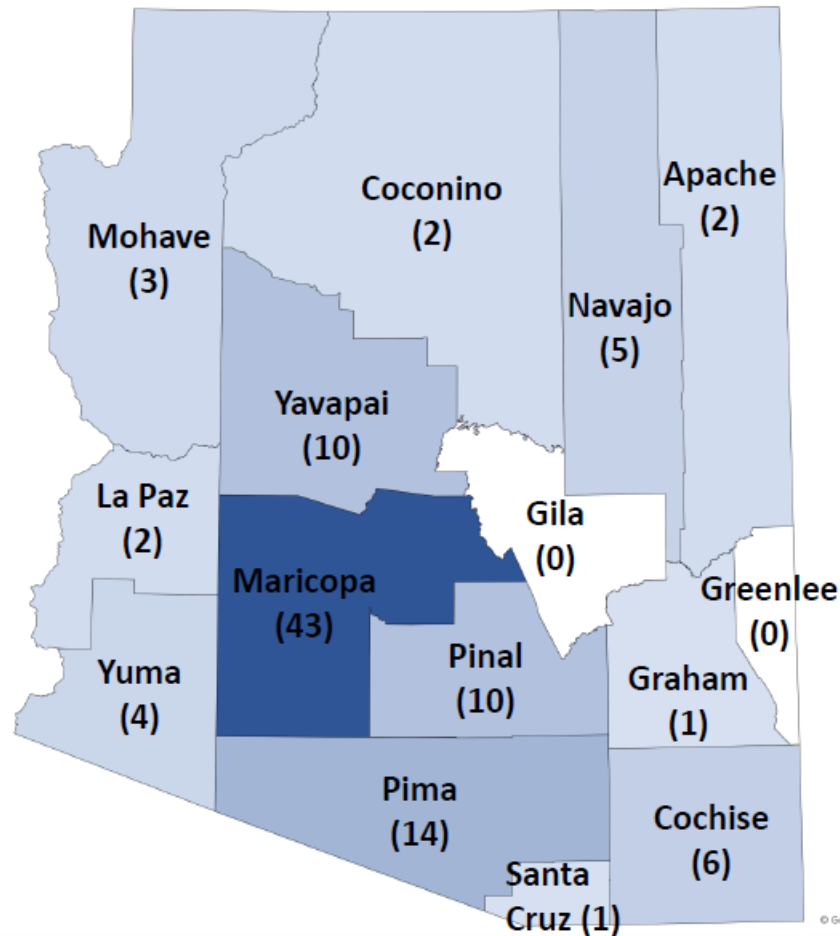
Agenda Item 4

Water Conversation Grant Fund Application Status

As of July 2023: 105 Applications - \$152.6M Requested

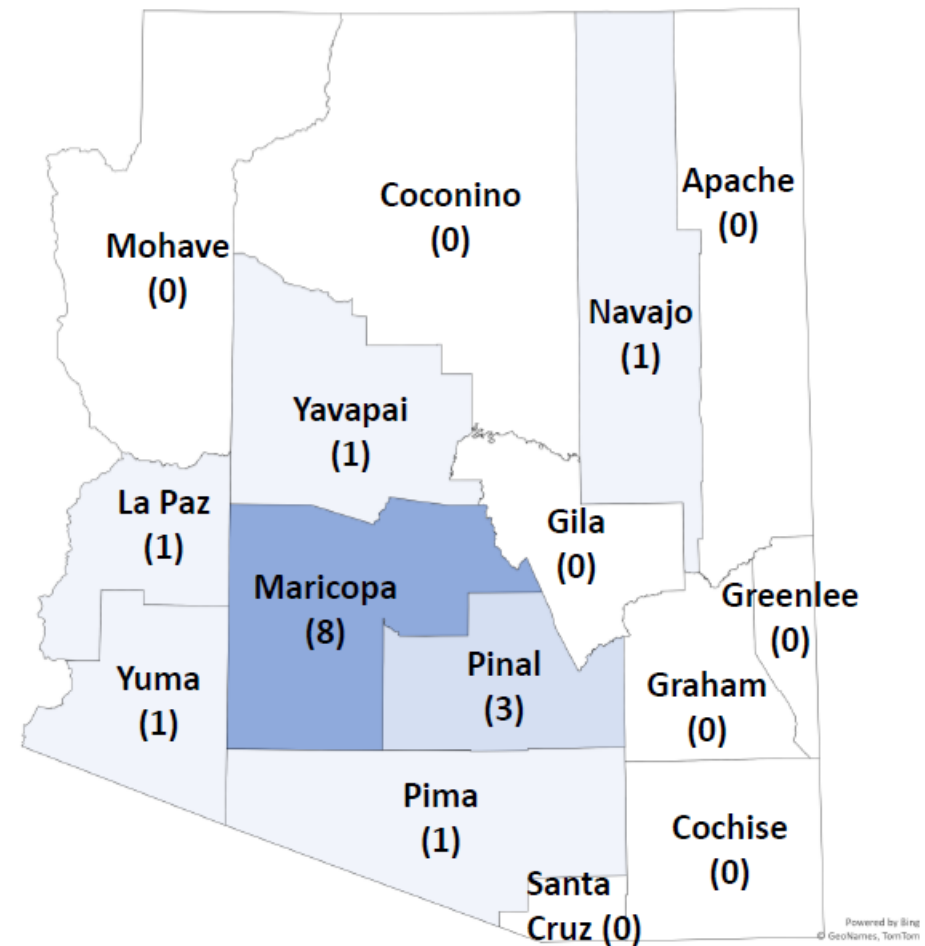
WCGF - July 2023

All Applications Received

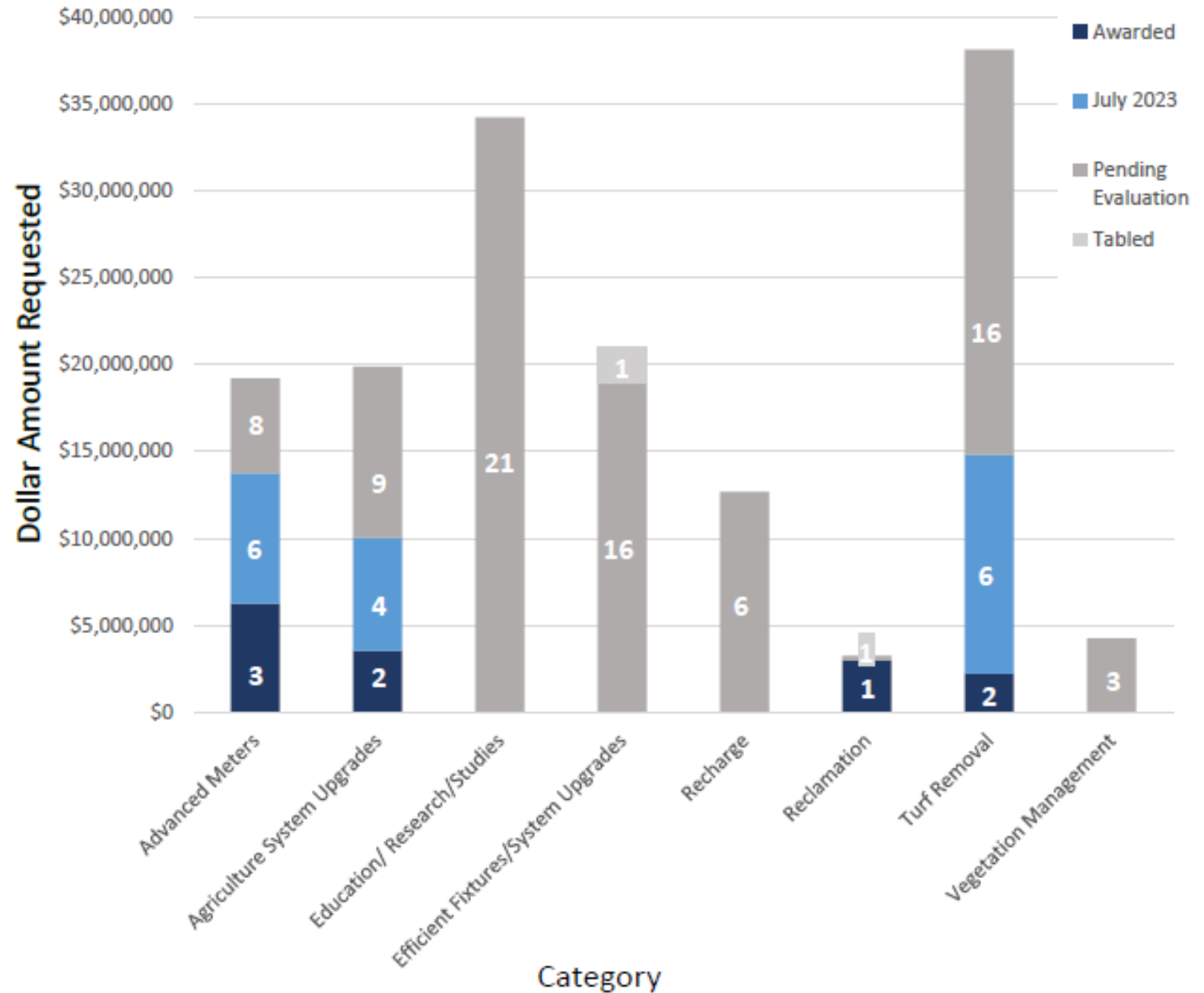


WCGF - July 2023

Applications for Consideration – July 2023 WCGF Committee Meeting



**WCGF Committee
July 2023:
16 Applications
\$26.6M Requested**



Turf Removal Projects



5A. City of Phoenix

Commercial and Residential Turf Conversion Rebates

Grant Application	WC1-037-2023
Location	City of Phoenix, Maricopa County
Estimated Water Savings	115 AF/year
Total Requested	\$3,000,000

Program Summary

- Turf Conversion Rebate program to offer rebates for commercial businesses and residential households to remove turf grass and replace with xeriscape

Grant Representative

- Erin Andres, *Water Resources Administrator*



5B. City of Chandler

Grass Removal Rebate Program (Multi-Family, HOA, and Commercial Property)

Grant Application	WC1-008-2023
Location	City of Chandler, Maricopa County
Estimated Water Savings	92 AF/year
Total Requested	\$975,000

Project Summary

- Removal of functional and non-functional grass from non-residential properties, including multi-family, HOA's, commercial, industrial, and institutional sites.

Grant Representatives

- Simone Kjolsrud, *Water Resources Manager*



5C. Town of Gilbert

Municipal Grass Removal Program

Grant Application	WC1-016-2023
Location	Town of Gilbert, Maricopa County
Estimated Water Savings	50 AF/year
Total Requested	\$3,000,000

Program Summary

- Non-functional grass removal and replacement with xeriscape and drought-tolerant plants, and artificial turf.
- Applicant has identified 567,000 sq ft of grass to be removed at 8 different locations.

Grant Representatives

- Jeremiah Churchill, *Water Resources and Conservation Coordinator* & Lauren Hixson, *Water Resources Manager*



5D. City of Glendale

Right of Way Xeriscape Landscape Program

Grant Application	WC1-018-2023
Location	City of Glendale, Maricopa County
Estimated Water Savings	56 AF/year
Total Requested	\$3,000,000

Program Summary

- City-wide water conservation program to convert rights-of-way from natural grass to xeriscaping and install smart irrigation technology

Grant Representative

- Javier Gurrola, *Principal Engineer*



5E. City of Peoria

Parks and Recreation Water Conservation Program, Turf Reduction

Grant Application	WC1-029-2023
Location	City of Peoria, Maricopa County
Estimated Water Savings	78 AF/year
Total Requested	\$2,523,750

Program Summary

- Targeted turf reductions throughout the Parks and Recreation footprint at ~17 parks.

Grant Representative

- Michael Elliott, *Park Operations and Facilities Services Manager*



5F. City of Tempe

Nonfunctional Turf Removal at City Parks

Grant Application	WC1-051-2023
Location	City of Tempe, Maricopa County
Estimated Water Savings	2.37 AF/year
Total Requested	\$80,244.54

Program Summary

- Non-functional turf removal from three city parks

Grant Representative

- Tina Sleeper, *Water Resources Manager Interim* & Andi Couet-Pascoe, *Water Conservation Manager*

The background of the slide is a wide-angle photograph of the Grand Canyon. The canyon's layered rock formations and deep valleys are visible. A semi-transparent blue rectangular overlay covers the left and central portions of the image, serving as a backdrop for the title text. On the right side, the canyon landscape is visible without the blue overlay, showing the warm, golden light of a sunset or sunrise hitting the rock faces.

Advanced Meter Projects



6A. Apache Junction Water district

Advanced Metering Infrastructure Program


Grant Application	WC1-002-2023
Location	Apache Junction Water District, City of Apache Junction, Pinal County
Estimated Water Savings	275 AF/year
Total Requested	\$1,065,845

Program Summary

- Replacement of current meters with AMI metering technology

Grant Representatives

- Michael Loggins, *Water District Director*



6B. Town of Clarkdale

Cellular Water Meter Upgrades Program

Grant Application	WC1-010-2023
Location	Town of Clarkdale, Yavapai County
Estimated Water Savings	5 AF/year
Total Requested	\$562,500

Program Summary

- The Cellular Water Meter Upgrades Program allows purchase and installation of upgraded water meter technology for all customers on the Town of Clarkdale water system resulting in system-wide water savings.

Grant Representatives

- Susan Guthrie, *Town Manager*



6C. Maricopa Consolidated Domestic Water Improvement District

Automated Meter Reading Installation Project

Grant Application	WC1-023-2023
Location	Maricopa and unincorporated portions of Pinal County
Estimated Water Savings	16 AF/Year
Total Requested	\$128,466

Program Summary

- The District is proposing to install automated reading meters (AMR) at 156 conventional manual meter locations.

Grant Representatives

- William E Collings, *Engineer* & Sarah Carroll, *District Administrator*



6D. Metropolitan Domestic Water Improvement District

Metro Main Advanced Metering Infrastructure (AMI) and WaterSmart Customer Platform

Grant Application	WC1-025-2023
Location	Tucson, Pima County, Arizona
Estimated Water Savings	424.25 AF/year
Total Requested	\$3,000,000

Program Summary

- This program proposal is for the implementation of Advanced Metering Infrastructure (AMI) in its main service area northwest of Tucson, Arizona and implementation of a WaterSmart Customer Platform for all its customers located in Pima County.

Grant Representatives

- Steve Shepard, *Utility Superintendent* & Joe Olsen, *General Manager*



6E. City of San Luis

Advanced Metering Infrastructure (AMI) Implementation Program

Grant Application	WC2-097-2023
Location	City of San Luis, Yuma County
Estimated Water Savings	509 AF/year
Total Requested	\$2,017,065.21

Program Summary

- Replace current meter reading system with Advanced Metering Infrastructure (AMI), a robust form of water metering technology that allows direct transmission of water use data to the billing department.

Grant Representatives

- Edgar Esparza, *Billing and Collections Manager* & Eulogia Vera, *Director of Public Works*



6F. Town of Snowflake

Water meter replacement program with new meters and AMI radio read modules

Grant Application	WC1-049-2023
Location	Town of Snowflake, Navajo County
Estimated Water Savings	18.14 AF/year
Total Requested	\$732,418.50

Program Summary

- Project will include the replacement of approximately 500 meters and installation of radio read modules along with purchase of an interrogator, base station, mapping module, software, etc.

Grant Representatives

- Dan Lueder, *Owner, Sustainable Water Operations* & Brian Richards, *Town Manager*

Agriculture System Upgrade Projects

The background is a composite image. The left portion is a dark blue gradient overlay containing the title text. The right portion is a photograph of the Grand Canyon at sunset, showing the layered rock formations and a bright orange and yellow sky.



7A. Bonneville Environmental Foundation (Partnering with the Colorado River Indian Tribes (CRIT))

Irrigation Infrastructure conversion on the Colorado River Indian Tribes (CRIT) Farms

Grant Application	WC2-073-2023
Location	City of Parker, La Paz County
Estimated Water Savings	4 AF/year
Total Requested	\$ 3,000,000

Program Summary

- Irrigation infrastructure conversion from flood to cost-effective, water-efficient micro-irrigation on the Colorado River Indian Tribes (CRIT) Farms.

Grant Representatives

- Sara Hoversten, *Director, Business for Water Stewardship*



7B. Buckeye Water Conservation and Drainage District

Phase I Diversion Intake Structure Modernization and Canal Energy System (CES)

Grant Application	WC1-004-2023
Location	City of Buckeye, Maricopa County
Estimated Water Savings	16,639-24,974 AF/year
Total Requested	\$3,000,000

Program Summary

- Project objectives include modernization of the system river diversion to provide accurate, reliable, and steady diversions to meet demands as well as improve District and on-farm efficiencies and reduce spills.

Grant Representatives

- George Cairo, *Engineer*



7C. Maricopa Water District

Beardsley Canal Flume and Control Gates Improvements Project

Grant Application	WC1-024-2023
Location	City of Surprise, Maricopa County
Estimated Water Savings	3,000 AF/year
Total Requested	\$222,786

Program Summary

- The project includes the replacement of the three (3) canal leaking turnout gates located upstream of the new flow measurement flume location.

Grant Representatives

- George Cairo, *Engineer* & Glen Vortherms, *General Manager*



7D. New Magma Irrigation District

Upgraded Flow Control Gates and Turnout Valves Project

Grant Application	WC1-026-2023
Location	San Tan Valley, Pinal County
Estimated Water Savings	1,300 AF/year
Total Requested	\$182,752

Program Summary

- Installation and upgrading the three project elements including the valves, flow control gates, and the canal liner.

Grant Representatives

- George Cairo, *Engineer* & Shelton Van Allen, *General Manager*

Agenda Item 8

Call to the Public:

This is the time for the public to comment. Members of the Committee may not discuss items that are not specifically identified on the agenda. Pursuant to A.R.S. § 38-431.01(H), action taken as a result of public comment will be limited to directing staff to study the matter, responding to any criticism or scheduling the matter for further consideration and decision at a later date. Members of the public wishing to address the committee must fill out and submit a request on the provided form that is available at sign in for the meeting. Comments will be limited to three minutes



WATER INFRASTRUCTURE FINANCE AUTHORITY OF ARIZONA

Next Water Conservation Grant Committee
Meeting – September 20, 2023

